

In the Claims:

Delete claims 1-19, pursuant to the requirement for restriction, without prejudice.

B. 1  
20. (Amended) A method of manufacturing a biocompatible, in vivo biodegradable matrix suitable for implantation in a mammalian host, said method comprising the steps of:

PI A. providing insoluble, demineralized, guanidine-extracted, nonadherent bone particles, xenogenic to said host, having a mean particle diameter within the range of 70 mm to 850 mm;

PI B. contacting the insoluble particles with a swelling agent to increase the intraparticle surface area and intraparticle porosity of said insoluble particles while maintaining the particles intact; [and]

PI C. washing [said] the insoluble particles which result from step B to [reduce the] remove dissociated non-collagenous [protein] components thereof; and

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